

Process to Develop Implementation Plan

- Develop list of potential methods and indicators
- Identify data needs and issues for each method
 - Existing data and reliability
 - Missing or inadequate data
 - Cost to improve data
- Identify existing activities that calculate methods or components of methods
- Develop alternatives for phasing and schedule of implementation
- Screen methods and alternatives
- Recommended plan

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Evaluating Existing Data and Quality

- For each data component (e.g., crop ET, irrigation water diverted, environmental needs):
 - What is the quality of existing data? – good, adequate, inadequate
 - How well does the existing data cover the relevant geographic scale – comprehensive; partial but representative; sparse and unrepresentative.
 - What is best way to describe the uncertainty of the data?
 - What is cost to improve the data?
 - What are highest priorities for data improvement?

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Quality of Existing Data – Field Scale

	Good	Adequate	Inadequate
Field Scale			
Crop ET			
Effective precipitation			
Surface water applied			
Groundwater applied			
Other agronomic needs			
Intentional envir. needs			

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Quality of Existing Data – Supplier Scale

	Good	Adequate	Inadequate
Supplier Scale			
Aggregated Crop ET, ETAW			
Aggregated supplier delivery			
Supplier diverted water			
Other surface water applied			
Groundwater applied			
Intentional envir. needs			
Recoverable losses			

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Quality of Existing Data – Regional Scale

	Good	Adequate	Inadequate
Regional Scale			
Aggregated Crop ET, ETAW			
Aggregated farm-gate delivery			
Supplier diverted water			
Other surface water applied			
Groundwater applied			
Intentional envir. needs			
Recoverable losses			

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Existing Activities

- Grower's irrigation management
- Periodic AWMP preparation
- DWR regional assessments
- University/extension activities?
- Other

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Alternative Approaches for Implementation Plan

- Rapid implementation
- Phased implementation
 - Identify priorities for methods, data improvement, scales, regions
 - Schedule for phases
- Include more detailed assessment of data as a *component of the implementation plan*
 - Describe availability and quality of existing data
 - Set priorities for developing or improving data